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OM protein - protein search, using sw model

Run on: March 1, 2001, 16:10:47 ; Search time 46.88 Seconds  
(without alignments)  
10.342 Million cell updates/sec

Title: US-09-331-631a-31

Perfect score: 75  
Sequence: 1 CXXXCXXCXXCXXCXXCXXCXXCXXC 27

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AM: \*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep: \*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep: \*  
3: /cgn2\_6/ptodata/2/1aa/6\_COMB.pep: \*  
4: /cgn2\_6/ptodata/2/1aa/PCBUS.COMB.pep: \*  
5: /cgn2\_6/ptodata/2/1aa/backfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	75	100.0	1345	2	US-08-977-767-3
2	66	88.0	41	4	PCT-US96-01720-7
3	66	88.0	61	2	US-08-785-530-1
4	66	88.0	61	2	US-08-785-530-3
5	66	88.0	61	2	US-08-785-530-4
6	66	88.0	61	2	US-08-785-530-5
7	66	88.0	61	2	US-08-785-530-6
8	66	88.0	61	2	US-09-123-850-1
9	66	88.0	61	2	US-09-123-850-3
10	66	88.0	61	2	US-09-123-850-4
11	66	88.0	61	2	US-09-123-850-5
12	66	88.0	61	2	US-09-123-850-6
13	66	88.0	68	1	US-07-696-051B-1
14	66	88.0	68	1	US-07-924-063A-1
15	66	88.0	68	1	US-08-138-340B-2
16	66	88.0	109	2	US-08-527-044-2
17	66	88.0	109	3	US-09-013-780-2
18	66	88.0	219	2	US-08-816-605-2
19	66	88.0	254	2	US-08-767-026-7
20	66	88.0	255	1	US-08-236-918A-8
21	66	88.0	255	2	US-08-816-605-9
22	66	88.0	255	4	PCT-US96-03965-8
23	66	88.0	285	3	US-08-482-085B-20
24	66	88.0	680	3	US-08-211-430-2
25	66	88.0	680	3	US-08-761-136-1
26	66	88.0	801	1	US-07-906-349A-6
27	66	88.0	1040	2	US-08-254-989-2
28	64.5	86.0	47	3	US-08-482-085B-91

29	64.5	86.0	246	2	US-08-704-931-2	Sequence 2, Appl
30	64.5	86.0	430	3	US-08-997-897-2	Sequence 2, Appl
31	64	85.3	362	1	US-08-415-751-35	Sequence 35, Appl
32	63.5	84.7	102	3	US-08-974-022-53	Sequence 53, Appl
33	63	84.0	1003	3	US-08-851-843A-217	Sequence 217, App
34	63	84.0	1003	3	US-08-974-549A-336	Sequence 336, App
35	61.5	82.0	263	2	US-08-972-008-2	Sequence 2, Appl
36	61.5	82.0	362	1	US-08-415-751-6	Sequence 6, Appl
37	61.5	82.0	417	3	US-08-815-469-4	Sequence 4, Appl
38	61.5	82.0	428	3	US-08-815-469-2	Sequence 2, Appl
39	60.5	80.7	24	1	US-08-036-555B-41	Sequence 41, Appl
40	60.5	80.7	24	1	US-08-469-569-41	Sequence 41, Appl
41	60.5	80.7	24	1	US-08-249-322A-41	Sequence 41, Appl
42	60.5	80.7	24	1	US-08-469-526A-41	Sequence 41, Appl
43	60.5	80.7	24	2	US-08-734-591A-41	Sequence 41, Appl
44	60.5	80.7	24	2	US-08-469-660-41	Sequence 41, Appl
45	60.5	80.7	24	4	PCT-US94-05083C-41	Sequence 41, Appl

## ALIGNMENTS

RESULT 1  
US-08-977-767-3  
Sequence 3, Application US/08977767  
Patent No. 5972684  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Yue, Henry  
APPLICANT: Greenwald, Sara  
APPLICANT: Corley, Neil C.  
TITLE OF INVENTION: CARBONIC ANHYDRASE VIII  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Inocyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/977,767  
FILING DATE: Herewith  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0423 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1345 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: Genbank  
CLONE: 1532042  
US-08-977-767-3  
Query Match 100.0%; Score 75; DB 2; Length 1345;



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; TYPE: amino acid
; STRADEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 386962
;
US-08-785-530-3

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Query Match	88.0%;	Score 66;	DB 2;	Length 61;
Best Local Similarity	19.2%;	Pred. No. 44;		
Matches	5;	Conservative	21;	Mismatches
			0;	Indels
			0;	Gaps

```

0y      1 CXXCXXXXCXXXXXXXXXXCXXXXCXX 26
         |::|::|::|::|::|::|::|::|::|:
Db      26 CTSCCKCCSCCPVGCACAGCVC 51

```

RESULT 5  
US-08-785-530-4  
Sequence 4, Application US/08785530

APPLICANT: Hillman, Jennifer L.  
APPLICANT: Goli, Surya K.  
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONEIN  
NUMBER OF PAGES: 1

ADDRESS: Incyte Pharmaceuticals, Inc  
STREET: 3174 Porter Drive  
CITY: Palo Alto

```

;      ZIP:  94304
;
;      COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible

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; SOFTWARE: Fastseq for Windows Version 2.0
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,530
; FILING DATE: Harvesth

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; PRIOR APPLICATION DATE  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORM:

REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0194 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555

TELEX;  
; INFORMATION FOR SEQ ID NO:  
; SEQUENCE CHARACTERISTICS  
; LENGTH: 61 amino acid

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; STRANDEDNESS: SI
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank

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05-08-183-330-4

Matches	Conservative	Mismatches	Indels	Gaps
3	21	0	0	0

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Qy      1 CXXCXXXXXXXXXXXXXXXXXCCXXX 26  
        |:|:::||:|||||||::|::|:  
Db     26 CTSCKSKSCSCPVGCAKCAQGCVCK 51
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RESULT 6  
US-08-785-530-5  
; Sequence 5, Application US/08785530  
; Patent No. 5814480

TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONEIN  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
  
Inventors: Toshiaki Shimizu et al.

STATE: CA  
COUNTRY: USA  
ZIP: 94304

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; COMPUTER: IBM Compatiblr
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
;

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; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

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ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749

TELEPHONE: 415-855-05  
TELEFAX: 415-845-4166  
TELEX:

```

; LENGTH: 61 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
;

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LIBRARY: GenBank  
CLONE: 342385  
US-08-785-530-5

Query Match	88.0%;	Score	66;	DB	2;	Length	61;
Best Local Similarity	19.2%;	Pred.	No.	44;			
Matches	5;	Conservative	21;	Mismatches	0;	Indels	0;
						Gaps	0;

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Db      26 CTSCKKSCSCCPVGCACKAQQGCVCK 51
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US-08-785-530-6  
; Sequence 6, Application US/08785530  
; Patent No. 5814480  
GENERAL INFORMATION:

APPLICANT: COLL, SURYA K.  
TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONEIN  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:

STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA

STREET: 3  
CITY: Pal  
STATE: CA



Query Match 88.0%; Score 66; DB 2; Length 61;  
Best Local Similarity 19.2%; Pred. No. 44;  
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXXXXXXXXXCXXCXX 26  
DB 26 CTSCKSCSCCPVGCACACAGCVCCK 51

RESULT 10  
US-09-123-850-4  
; Sequence 4, Application US/09123850  
; Patent No. 5955428  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/123,850  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/785,530  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0194 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 386865  
; US-09-123-850-4

Query Match 88.0%; Score 66; DB 2; Length 61;  
Best Local Similarity 19.2%; Pred. No. 44;  
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXXXXXXXXXCXXCXX 26  
DB 26 CTSCKSCSCCPVGCACACAGCVCCK 51

RESULT 11  
US-09-123-850-5  
; Sequence 5, Application US/09123850  
; Patent No. 5955428  
; GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/123,850  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/785,530  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0194 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 342385  
; US-09-123-850-5

Query Match 88.0%; Score 66; DB 2; Length 61;  
Best Local Similarity 19.2%; Pred. No. 44;  
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXXXXXXXXXCXXCXX 26  
DB 26 CTSCKSCSCCPVGCACACAGCVCCK 51

RESULT 12  
US-09-123-850-6  
; Sequence 6, Application US/09123850  
; Patent No. 5955428  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; TITLE OF INVENTION: A NOVEL HUMAN METALLOTHIONINE  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/123,850  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/785,530  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0194 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 61 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 305363  
US-09-123-850-6

Query Match 88.0%; Score 66; DB 2; Length 61;  
Best Local Similarity 19.2%; Pred. No. 44;  
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXXXXXCXXCXXCXX 26  
DB 26 CTTCKKSCCPCVCAKCKDCVCK 51

RESULT 13  
US-07-696-051B-1  
Sequence 1, Application US/07696051B  
Patent No. 5214031  
GENERAL INFORMATION:  
APPLICANT: Tsuji, Shoji  
APPLICANT: Miyatake, Tadashi  
APPLICANT: Uchida, Yoko  
APPLICANT: Ihara, Yasuo  
TITLE OF INVENTION: GROWTH-INHIBITORY FACTOR AND CDNA CODING  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Jordan B. Bierman, BIERMAN AND MUSERLIAN  
STREET: 757 Third Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10017  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/696,051B  
FILING DATE: 19910506  
CLASSIFICATION: 514  
PRIOR APPLICATION NUMBER:  
FILING DATE: 09-MAY-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 410164/1990  
FILING DATE: 13-DEC-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 410165/1990  
FILING DATE: 13-DEC-1990

ATTORNEY/AGENT INFORMATION:  
NAME: Bierman, Jordan B.  
REGISTRATION NUMBER: 18,629  
REFERENCE/DOCKET NUMBER: TSU-16  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)752-7550  
TELEFAX: (212)888-6426  
TELEX: PATENLAW (via ITT)  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 68 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
TISSUE TYPE: Cerebral cortex  
FEATURE:  
NAME/KEY: peptide  
LOCATION: 1..68  
OTHER INFORMATION: /note="Growth inhibitory activity  
OTHER INFORMATION: on brain cells"  
US-07-696-051B-1

Query Match 88.0%; Score 66; DB 1; Length 68;  
Best Local Similarity 19.2%; Pred. No. 49;  
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXXXXXCXXCXXCXX 26  
DB 27 CTSCKKSCCPCPACCKCAKDCVCK 52

RESULT 14  
US-07-924-063A-1  
Sequence 1, Application US/07924063A  
Patent No. 5489514  
GENERAL INFORMATION:  
APPLICANT: TSUJI, SHOJI; MIYATAKE, TADASHI; UCHIDA, YOKO;  
APPLICANT: IHARA, YASUO  
TITLE OF INVENTION: DNA CODING FOR GROWTH-INHIBITORY FACTOR AND  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/924,063A  
FILING DATE: 19920828  
CLASSIFICATION: 435  
PRIOR APPLICATION NUMBER: PCT/JP91/01714  
FILING DATE: 13-DEC-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 410165/1990  
FILING DATE: 13-DEC-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: TSU-23  
TELECOMMUNICATION INFORMATION:



